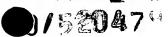
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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

A = "south or occasion file reference	TOP THE CON NOT	Seedles of Transmitted of International Search Booost			
Applicant's or agent's file reference FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
WO 33411	ACTION				
International application No.	International filing date (day/month/s	(Earliest) Priority Date (day/month/y-ear)			
PCT/IB 02/03029	05/08/2002				
Applicant					
NOKIA CORPORATION					
This international Search Report has bee according to Article 18. A copy is being to	n prepared by this International Searcl ansmitted to the international Bureau.	hing Authority and is transmitted to the applicar t			
This International Search Report consists	of a total ofshee	ate.			
	a copy of each prior art document cite	**			
1. Basis of the report					
a. With regard to the language, the language in which it was filed, un	international search was carried out o ess otherwise indicated under this iter	n the basis of the international application in them.			
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a transl	ation of the international application furnished to this			
1 ''	ad/or amino acid sequence disclosed e sequence listing :	i in the international application, the internationa. I search	1		
	onal application in written form.		J		
filed together with the inte	ernational application in computer read	lable form.			
furnished subsequently to	this Authority in written form.				
furnished subsequently to	this Authority in computer readble for	m.	ļ		
the statement that the su international application a	osequently furnished written sequence is filed has been furnished.	e listing does not go beyond the disclosure in the			
the statement that the inf furnished	ormation recorded in computer readab	ole form is identical to the written sequence listing has be	een		
2. Certain claims were fou	nd unsearchable (See Box I).	•			
3. Unity of invention is lac	king (see Box II).				
		•			
4. With regard to the title,					
	the text is approved as submitted by the applicant.				
. —	shed by this Authority to read as follow				
TRANSMISSION DIVERSITY WITH TWO CROSS-POLARISED ANTENNAS ARRAYS					
a samue as and to the about					
5. With regard to the abstract,					
the text has been established	the text is approved as submitted by the applicant. The text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.				
6. The figure of the drawings to be published with the abstract is Figure No.					
X as suggested by the app		None of the figures.			
because the applicant fai	led to suggest a figure.				
because this figure better	characterizes the invention.				

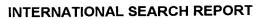


INTERNATIONAL SEARCH REPORT

Internation No PCT/IB 02/03029

A. CLASSIF IPC 7	HO4B7/10 HO4B7/06			
According to	International Patent Classification (IPC) or to both national classification	tion and IPC		
B. FIELDS	SEARCHED			
IPC 7	cumentation searched (classification system followed by classificatio $H04B$			
	ion searched other than minimum documentation to the extent that so			
	ata base consulted during the International search (name of data bas ternal, WPI Data, PAJ, INSPEC	e alu, wiele practica, sauch e inc co-,		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.	
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	nelevera to Claim No.	
A	IBSEN M ET AL: "ALL-FIBRE DFB LA TRANSMITTERS WITH INTEGRATED PUMP REDUNCDANCY" 25TH EUROPEAN CONFERENCE ON OPTIC COMMUNICATION. (ECOC'99). NICE, F SEPT. 27 - 30, 1999. REGULAR AND PAPERS, EUROPEAN CONFERENCE ON OF COMMUNICATION (ECOC), PARIS: SEE, vol. I OF II, 26 September 1999 (1999-09-26), FI-74-I-75, XP001035322 ISBN: 2-912328-12-8 abstract paragraph 'OIII!	AL RANCE, INVITED PTICAL FR,	1-8	
X Fur	ther documents are listed in the continuation of box C.	Patent family members are listed	In annex.	
 Special categories of cited documents: "A" document defining the general state of the an which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral discosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "I later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to Involve an inventive step when the document is taken alone when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family 			the application but eory underlying the claimed invention t be considered to cument is taken alone claimed invention eventive step when the ore other such docu- us to a person skilled family	
Date of the	e actual completion of the international search	Date of mailing of the international se	arch report	
	7 March 2003 13/03/2003			
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Lustrini, D		

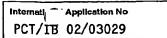
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, or the research	
A	HAMALAINEN J ET AL: "FEEDBACK SCHEMES FOR DD WCDMA SYSTEMS IN MULTIPATH ENVIRONMENTS" VTC 2001 SPRING. IEEE VTS 53RD. VEHICULAR TECHNOLOGY CONFERENCE. RHODES, GREECE, MAY 6 - 9, 2001, IEEE VEHICULAR TECHNOLGY CONFERENCE, NEW YORK, NY: IEEE, US, vol. 1 OF 4. CONF. 53, 6 May 2001 (2001-05-06), pages 238-242, XP001066957 ISBN: 0-7803-6728-6 abstract paragraphs '002.!,'004.!	1-8
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